

Variable Regimes of Flow Through Airfoil Cascades,
by V. A. Zysin, 14 pp.

RUSSIA, Trudy, Leningradskogo, Politekhnicheskii
Institut Imeni N. I. Lalinina, Energomashino-
troyeniye, No. 221, 1962, pp 103-109. 21162

*FTD-TT-62-1816

Sci/Engr
Dec 62

M. I. Kalinina Leningrad Polytechnic
Institute, by V. S. Smirnov, 21 pp.
RUSSIAN, Trudy Leningradskiy Politekhnicheskiv
Inst im. M. I. Kalinina, 1962, 21pp.

9698340

FTD-TT-65-411

Sci - Elec
Nov 65

291,821

Application of Ultrasonic Vibrations
to the Removal of Sulfur from Liquid
Pig Iron, by G. I. Shebalenkov, et al.
RUSSIAI, per, Trudy Leningradskogo
Politekhn. Instituta, Im. M. I.
Kalinin, No. 125, 1963, pp 143-148.
AB 5820

Sci/MGM
Oct 65

288,600

[REDACTED]

Determination of Hot Ductility of Heat-Resistant
Alloys, by N. N. Pavlov.

RUSSIAN, per, Ex Trudy Lenin Politekh.
Inst, Nr. 222, 1963, pp 20-27.

*FTD-TT-64-798

Sci - M/N
Jul 64

Rolling Cobalt Powder into Strip, by Yu. N. Semenov,
G. S. Shumakov, et al, 6 pp.
RUSSIAN, per, Trudy Leningradskogo Politekhnicheskogo
Instituta imeni M. I. Kalinina, No 222, 1953, pp 68-70.

JPRS 23596

Sci - ~~Mat~~ Mat & Met
Mar 64

251, 714

S-175/64

Rolling Highly-Porous Strip for Filters of Titanium Powder, by G. F. Tkhonov, V. K. ~~Sarmak~~ Sorokin, et al, Leningrad, ~~Xrm~~(SF-3009)

RUSSIAN, ~~bk~~, per, Trudy Leningradsogo Politekhnicheskogo Instituta Imeni M. I. Kalinina, No 222, 1963, pp 71-72.

*JPRS

Sci - M/M
Feb 64

Titanium and Hydrogen, by Yu. V. Baymakov,
O. A. Lebedev.
RUSSIAN, per, Trudy Leningrad Politekhnicheskiy
Institut, Trudy No 223, 1963, Metallurgiya
Tsvetnykh Metallov, pp 25-34.
*FTD-MT-64-317

Sci-Mat/Met

Aug 64

Examination of the Electrochemical
Properties of a Magnesium Electrode, by
B. P. Yur'yev.
RUSSIAN, per, Trudy Leningradskogo
Politekh Inst imeni M. I. Kalinina,
No 223, 1963, pp 98-108. P500252767
Dept of Navy QNI Tr 2252/Tr 4989

Sci - Elec
Jan 67

317,582

Primary Crystallization of Heat Resisting Alloys,
by A. Ya. Ioffe, 24 pp.
RUSSIAN, per, Trudy LPI, No 224, 1963, pp 97-112.
JPRS 24969

Sci - M/M
Jun 64

260,778

The Structure and the Properties of Thin-Wall
Castings From the Heat Resistant Alloys,
by M. T. Bogdanov, 26 pp.
RUSSIAN, per, Trudy LPI, No 224, 1964, pp 177-194.
JPRS 24969

Sci - M/M
Jun 64

260,779

Experience in the Production of Cast YTurbine
Blades From Heat Resistant Alloys, by K. P. Lebedev,
M. N. Yefimova, 12 pp.
RUSSIAN, per, Trudy LPI, No 224, 1963, pp 195-202.
JPRS 24969

Sci - M/M
Jun 64

260,780

Investigation of Low-Capacity High-Pressure
Stages of Centrifugal Compressors, by
S. A. Anisimov, Yu. D. Galerkin, 18 pp.
RUSSIAN, per, Leningrad, politekhnicheskiy
Institut, Trudy, No 223, 1963, pp 63-78.

100082568-V
ITD-IT-24-174-67

Sci-Trop and Fuels
May 68

356,400

Investigation of the Elements of the Flow
Part on Low Flow Rate Centrifugal Stages,
by Yu. B. Galerkin, I. P. Soslina.
RUSSIAN, per, Trudy Leningrad Politekhnicheskiy Institut, No 232, 1964.
pp 71-82. AD 679 797
AIR/FTD/HT-23-1341-67

Sci-Phys
Feb 69

373,937

Studying the Movement of a Liquid in
a Jet Tube by L. S. Trifonov.
RUSSIAN, per, Trudy Leningrad,
Politekhnicheskiy Institut, No 233,
1964, pp 77-84.
*FID-TT-65-1407

Sci-Aero
Sep 65

About Contact Heat Exchange of a Piston
With Bushing During Engine Operation
With Nominal Load, by M. M. Burin, 10 pp.
RUSSIAN, per, Trudy Leningrad Politekhnicheskiy
Institut, No 237, 1964, pp 11-16. P100067607
FTD TT 66-74

Sci-Phys
Mar 67

320,745

Interaction of Aluminum With Cryolite-Alumina
Melts, by M. M. Vetyukov. 39 pp.
RUSSIAN, per, Trudy Leningrad. Politekhnicheskiy
Institut, No 239, 1964, pp 39-56. 9700933
FTD-MT-65-193

Sci/M&M
Aug 66

306,243

On the Theory of Electrolytic Refining of Metals
in Melts With Liquid Electrodes, by Yu. V.
Baymakov. 39 pp.

RUSSIAN, per, Trudy Leningrad. Politekhnicheskiy
Institut, No 239, 1964, pp 70-81. 9700933

FTD-MF-65-193

Sci/M&M
Aug 66

306,244

Progress in Electrolytic Zinc, by V.V. Stender.
RUSSIAN, per Trudy Leningr. Politekhn. Inst. No. 239,
1964, pp 126-146
EZ

Sci -
Aug 67

339-433

Basic Tasks of Hygiene in the Field of the Study
of Nutrition of the Population, by Z. M. Agranouskiy,
8 pp.

RUSSIAN, p bk, Trudy Leningradskogo Sanitarno-Gigien-
icheskogo Meditsinskogo Instituta, Vol XXV, 1955, pp
5-11.

JPRS 2890

Sci - Med

Oct 60

Muscular Antagonism in the Light of the Pavlovian Theory, by Yu. M. Uflyand, 37 pp.

RUSSIAN, per, Tr Leningradsk, Sanit Git Med Inst, Vol XXVIII, 1956, pp 9-25.

FDD/X-3177

Sci - Medicine

12 Nov 58

(NY-3726).

Investigation of the Effect of Air Pollution
on the Health of Children, by K. A. Moskovskaya,
6 pp.

RUSSIAN, per, Trudy Leningrad San-Gig Med Inst,
Vol XXXI, Leningrad, 1956, pp 36-40.

JPRS 2533

USSR
Sov
May 60

115,271

(NY-3726).

The Effect of the School Schedule Upon the
Fatigue of First-Grade Pupils, by L. I. Figlin,
30 pp.

RUSSIAN, par., in Trudy Leningrad San-Gig Med
Zark, Vol XXII, Leningrad, 1956, pp 41-60.

JPRS 2534

USSR
Soc
May 60

116,270

Endarteritis Obliterans, by Professor I. M.
Talman, 111 pp.

RUSSIAN, per, Trudy Leningradskogo Sanitarno-
Ogigysnicheskogo Meditsinskogo Instituta, No 33,
1956, pp 11-70.

CIA/FDD/X- 3023

070 62-1117

Histogenesis and Reactivity of Tissues Regeneration
of the Gallbladder Epithelium of Different
Vertebrates, by N. I. Grigor'ev, 21 pp.
RUSSIAN, per, Trudy Leningrad Sanitarno-Gigienicheskiy
Meditinskiy Institute, Vol XLII, 1958, pp 448-464.
9229088
AEC-ANL-Tr-169

Sci-B/M
Jul 65

282,640

Hygenic Characteristics of the Organic Composition
of the Food Ration of Pupils in Children's Homes,
by Z. P. Koshina, 16 pp.

RUSSIAN, bk, Trudy Leningradskogo Sanitarno-
Gigiyenicheskogo Meditsinskogo Instituta, Vol XXV,
1959, pp 12-24.

JPRS 2890

Sci - Med

Oct 60

Hygienic Characteristics of the Salt Content
of the Food Ration of Pupils in Children's Homes,
by Ye. A. Lebedeva, 19 pp.

RUSSIAN, bk, Trudy Leningradskogo Sanitarno-
Gigiyenicheskogo Meditsinskogo Instituta, Vol XXV,
1959, pp 25-40.

JPRS 2890

Sci - Med

Oct 60

An Experiment in Making Out Rations for Nutrition
in Private Children's Institutions, by Ye. A.
Lebedeva, Z. P. Koshina, 25 pp.

RUSSIAN, bk, Trudy Leningradskogo Sanitarno-
Gigiyenicheskogo Meditsinskogo Instituta, Vol XXV,
1959, pp 41-64.

JPRS 2890

Sci - Med

Oct 60

The Problem of the Organization of Laboratory Control
for Nutrition of the Population, by A. M. Chistyakova,
K. V. Karpov, 18 pp.

RUSSIAN, bk, Trudy Leningradskogo Sanitarno-
Gigiyenicheskogo Meditsinskogo Instituta, Vol XXV,
1959, pp 65-78.

JPRS 2890

Sci - Med

Oct 60

On the Value of the Detection of Hofmann's Bacillus
in the Air as a Sanitary index in Closed Quarters, by
M. N. Fisher, A. I. Bunte, Yu. A. Krotov.

RUSSIAN, per, Trudy Leningradskogo Sanitarno-Gigienicheskogo Meditsinskogo Instituta, Vol XLVI, 1959, pp 203-
212.

*USDA

Sci - Medicine
Feb 61

62-15334

Toporkova, I. B.
THE STATUS OF VITAMIN C METABOLISM IN
CONNECTION WITH THE CHRONIC EXPOSURE OF
WORKERS IN THE TOBACCO INDUSTRY TO TO-
BACCO DUST. [1961] 19p. 26 refs.
Order from OTS or SLA \$1.60 62-15334

Trans. of Sanitarno-Gigienicheskii Meditsinskii
Institut. Trudy (USSR) 1959, v. 47, p. 243-253.

DESCRIPTORS: *Ascorbic acid, Metabolism *Person-
nel, Exposure, *Tobacco, Industry, Vitamins.

Tobacco dust influences the vitamin C balance of
workers handling tobacco. The urine of a majority of
tobacco workers in a tobacco factory showed, even in
the month of October (the period of optimal organism
vitamin C content in the Leningrad area), a low con-
tent of ascorbic acid, with a further decrease of this
toward spring, in which the greatest downward shift
(Biological Sciences--Pathology, TT, v. 7, no. 12)(over)

1. Toporkova, I. B.

Office of Technical Services

The Problem of Pathogenic Basis of the Therapeutic Effect of ACTH and Prednisone, by
V. R. Aleksandrova, et al,
RUSSIAN, per, Trudy Leningrad. Sanitarno-gig.
Med. Inst., Vol LXXVII, 1963, pp 70-77.
Dept of Navy 5302/NIS No 1194

Sci-B&M
May 67

524,842

The Infectiousness of Patients with
Epidemic Hepatitis at Different Periods
of the Illness, by N. L. Kivshits.
RUMIAN, per, Tr Leningr Sanit-Sig Med
Iust, no 72, 1963, p 76-83.
NII 4-6-65

200,742

JCI-5/1
May 65

The Diagram of State of the System $\text{NaCl}-\text{CaCl}_2-\text{BaCl}_2$,
by A. F. Alabyshev, M. F. Lantratov, 22 pp.

RUBSIAN, per, Trudy Leningradskogo Tekhnologicheskogo
Instituta, No 12, 1946, pp 141-151.

Sci Tr Center
RT-1586

Scientific - Chemistry

CTS/DEX

18, 753

Study Lenin Tech

No 12 (1946)
pp 175-183

New Type Automatic Gas Alarm
P.S. Romantsov &
V.A. Grigor

Done by Army - F-4836
in 1/3/51 Status Report

Laws Governing the Loss in Weight of Frozen
Meat During Storage, by D. G. Ryutov.

RUSSIAN, per, Trudy Leningrad Tekh Inst
Kholod Prom, No 10, 1956, pp 10-21.

CSIRO 4011

Sci - Biol
Apr 62

190,367

The RDX Condensation of Vapors in the Presence
of Non-Condensable Gases, by F. V. Mazyukevich.

RUSSIAN, per, Trudy Leningrad Tech Inst Khodol
From, RDX Vol XI, 1956, pp 109-114.

RLL M.4294

Sci - Chem
Apr 62

193,805

On the Gas Ejecting Properties of the Surfaces of
Flowing Liquid Films, by F. V. Mazukovich.

RUSSIAN, per, Trudy Leningrad Tekh Inst Kholod
Prom, Vol XI, 1956, pp 115-124.

NLL N. 4292

Sci - Phys

194, 036

Apr 62

Influence of the Rate of Air Flow on the Time
Required to Chill Meat, by A. Golovkin.

RUSSIAN, per, Trudy Leningrad Tekh Inst
Khlopolit' Prom, Vol XI, 1956, pp 134-140.

CAIRO 4010

Sci - Phys
Aug 62

211, 339

Natural Losses During the Chilling of Meat, by
N. Golovkin, et al.

RUSSIAN, per, Trudy Leningrad Tekh Inst
Kholodil' Prom', Vol XI, 1956, pp 141-148.

CSIRO 4009

Sci - Biol
Aug 62

211, 340

Production of Edible Soluble Casein, by
A. I. Vorob'ev.

RUSSIAN, per, Trudy Leningradskogo Tekhnologicheskogo
Instituta Kholod Proz, Vol XIII, 1959, pp 41-45.

NLL RRS 2080

Sci - Biol & Med Sci
May 63

230,659

Choice of Thermally Stable Carboniferous Materials
in the Manufacture of Electrodes, by V. N. Krylov,
13 pp.

RUSSIAN, per Trudy Leningrad Tech Inst, Vol XXXIII,
1955, pp 38-47.

Morris D. Friedman
K-162 \$6.50

Sci -
Aug 58

68,810

A Study of the Crystallization of Titanium
Dioxide in Enamel, by V. V. Vargin.
RUSSIAN, per, Trudy Leningrad Tekhnol Inst
im. Lensoveta, No 34, 1955, pp 38-44.
AT&T-RJ-5297

Sci-Materials

1.00 000

The Problem of the Chemical Resistance of
Titania Enamels, by V. V. Vargin.
RUSSIAN, per, Trudy Leningrad Tekhnol Inst
im. Lensoveta, No 34, 1955, pp 45-47.
AT&T-RJ-5295

Sci-Materials
Mar 70

403,234

Organosols as Activators for a One-Step Photographic Process. I., by R. N. Eagen, I. S. Lavrov, 8 pp.

RUSSIAN, pr., Trudy Leningrad, Tekh Inst imeni Lensoveta, Vol XXIVII, 1957, pp 154-158.

CIA/FDD XX-817
NOT RELEASABLE TO FOREIGN NATIONALS
DEIR CCC M 1008

Sci - Physics

Apr 60

USIB INTERNAL USE ONLY

114/142

Infra-Red Absorption Spectra of Clay Minerals, by
O. Setkina, N. Gopshstein.
RUSSIAN, per, Trudy Leningrad Tekhnol Inst imeni
Lensoveta, Vol XXXVII, 1957, pp 78-90.
CSIRO No 6207

Sci - M/M
Apr 64

257,277

Infra-Red Spectra of Argillaceous Minerals and Their
Uses, by O. Setkina.
RUSSIAN, per, Trudy Leningrad Tekhnol Inst imeni
Lensoveta, Vol XL, 1957, pp 155-162.
CSIRO No 6209

Sci - M/M
Apr 64

257,276

Modification of Organic Medicinal Compounds by
Incorporation Them in the Structure of High-
Molecular Synthetic Polymers, Functioning as
Blood Substitutes, by S. N. Ushakov.
RUSSIAN, per, Trudy Leningrad Tekhnol Inst
im Lensoveta, No 45, 1958, pp 132-143.
ATS RJ-5466

The Thermo-Dynamics of Certain BaSO₄ Reduction
Reactions, by A. A. Ravid', N. A. Novy.
RUSSIAN, per, Tr Leningrad Tekh Inst im Lensoveta,
Vol 61, pp 3-8.
NLL Ref: 5828.4F (12208)

Sci-Chem
Aug 68

361.817

Synthesis of Chlorine-Substituted Polyterpene
Additives for Lubricating Oils, by
V. A. Proskuryakov & Ye. F. Mayakova, 5 pp.
RUSSIAN, per, Trudy Leningradskogo Tekhnologicheskogo
Institut imeni Lensoveta, No 63, 1964, pp 192-195.
P100121668-V
FTD-HT-67-256

Sci/Mat
Jul 68

360,106

<p>RESEARCH ON THE CHEMISTRY AND TECHNOLOGY OF BINDERS (Raboty v Oblasti Khimii i Tekhnologii Vyazhuuchchikh Veshchestv) tr. by G. L. Cairns, Feb 61 [39]p. 28 refs. DSIR Library Communication no. 1042.</p> <p>Order from OTS or SLA \$3.60 <i>Trudy</i> 61-27056</p> <p>Trans. of Tekhnologicheskii Institut imen Leningradskogo Soveta. Trudy (USSR) 1960, no. 56, p. 54, 65, 81, 84, 93, 113.</p> <p>DESCRIPTORS: *Binders, *Cements, Gypsum, Sulfates, Fluorine, Minerals, Silicates, Chemical waste, Industrial production, Phosphates, Magnesium compounds, Calcium compounds.</p> <p>Contents: Comparative investigation of the mineralizing action of fluorine-containing wastes of the superphosphate (Engineering--Chemical, TT, v. 6, no. 7) (over)</p>	<p>61-27056</p> <p>I. LC-1042 II. Department of Scientific and Industrial Research (Gt. Brit.)</p> <p>Office of Technical Services</p>
--	--

Liquid Vapor Phase Equilibrium of Alcohol - Water
Mixtures in the Presence of Certain Salts, at
Atmospheric Pressure, by L. L. Dobroserdov,
V. P. Iv'yina.
RUSSIAN, per, Trudy Lenin Tekh Inst Pishch
Prom, Vol XIII, 1956, pp 92-100; 139-142; 143-146;
147-150; 151-154. 9230682
DRB Canada 9230741
T 422 R

Sci- Phys
Jan 66

294,444

Liquid-vapor Phase Equilibrium in the System
Ethyl Alcohol-water-calcium Chloride at
Atmospheric Pressure, by L. L. Dobroserdov.
RUSSIAN, per, Trudy Leningr Tekhnol Inst
Pishch Prom, Vol 12, 1956, pp 92-100.
HEW NIH 2-33-66 (On Loan)

Sci/BGM
Apr 66

298,456

Liquid-vapor Phase Equilibrium in the System
Ethyl Alcohol-water-potassium Acetate at
Atmospheric Pressure, by L. L. Dobroserdov.
RUSSIAN, per, Trudy Leningr Tekhnol Inst
Pishch Prom, Vol 14, 1958, pp 139-142.
NEW NIH 2-54-66 (On Loan)

Sci/B&M
Apr 66

298,457

Liquid-vapor Phase Equilibrium in the System
Ethyl Alcohol-water-sodium Chloride at Atmos-
pheric Pressure, by L. L. Dobroserdov.
RUSSIAN, per, Trudy Leningr Tekhnol Inst
Pishch Prom, Vol 14, 1958, pp 143-146.
HEW NIH 2-36-66 (On Loan)

Sci/B&M
Apr 66

298,459

Liquid-vapor Phase Equilibrium of the System
Ethyl Alcohol-water-sodium Acetate at
Atmospheric Pressure, by L. L. Xobroserdov.
RUSSIAN, per, Trudy Leningr Tekhnol Inst
Pishch Prom, Vol 14, 1958, pp 147-150.
HEW NII 2-35-66 (On Loan)

Sci/B&M
Apr 66

298,458

Liquid-vapor Phase Equilibrium of the System
Ethyl Alcohol-water-zinc Chloride at
Atmospheric Pressure, by L. L. Dobroserdov.
RUSSIAN, per, Trudy Leningr Tekhnol Inst
Pishch Prom, Vol 14, 1958, pp 151-154.
HEW NIH 2-37-66 (On Loan)

Sci/B&M
Apr 66

298,460

On the Problem of Separating Hydro-Azeotropes,
by L. L. Dobroserdov.

RUSSIAN, per, Trudy Lenin Tekh Inst Pisch
Prom, Vol XV, 1958, pp 55-77. 9230681
DRB Canada 9230740
T 423 R

HEN NIH 2-32-66 (on loan)

Sci - Chem
Jan 66

294,445

New Method of Cavitation Testing of Hydroturbine Models, by A. D. Pernik, 18 pp.
RUSSIAN, per, Tsentral'nyy Nauchno-Issledovatel'skiy i Proyektno-Konstruktorskiy
Kotloturbinnyy Institut. Trudy, No 46, 1964,
pp 25-40. P100174368-V
FTD-MT-24-242-67

Sci/Mech, Ind, Civ & Mar Engr
Aug 68

364,806

Influence of Local Conditions on the Formation
of Fogs, by I. V. Kosheleko, 15 pp.

RUSSIAN, per, Trudy Lenin Ukrainskiy Nauchno-
Issledovatel'skiy Inst, No 21, 1960, pp 3-15.

Amer Meteorol Soc X-R-292

170, 232

Sci - Geophys
Oct 61

Machines Learning to Recognize Images,
by V. A. Yakubovich. 45 pp.
RUSSIAN, per, Trudy Leningrad Universitet, No 2,
1963, pp 95-131.
FTD-TT-05-148 9697855

Sci-Math & Data Proc
Feb 65

Concentration of Stresses in Perforated
Turbine Disks and in T-shaped Blade Joints to
Disks, by I. I. Bugakov. 7 pp.
RUSSIAN, per, Trudy. Leningrad. Universitet.
Polyarizatsionno-Opticheskiy Metod Issledovaniya
Napryazheniy. Vsesoyuznoy Konferentsii 1964,
1966, pp 323-329.
FWD S-781

456-69

aug 69

388,553

Application of X-Rays in the Study of Materials.

RUSSIAN, per, Trudy Leningradskogo Univ, Izd-Vo,
Primeneniye Rentgenovskikh Luchey k Issledovaniyu
Materialov, No 28, 1959, 125 pp.

*FTP-TT-63-671

Sci - Phys

Jun 63

Methods of Statistical Phytosociological Analysis of
Forest Associations, by N. A. Konovalov,
V. A. Povarnitsyn, 26 pp.
RUSSIAN, per, Trudy Lesotekhnicheskaya Akad,
Vol XXXV, 1927, pp 69-104.
OTS 63-19969

Sci-Agri
March 64

252,057

Use of Systemic Insecticides in Controlling
Injurious Forest Insects, by V. Goryacheva.

RUSSIAN, per, Trudy Les i Mekh Les Khov Vnii,
Vol XXXVII, 1958, pp 106-122.

CSIRO/No 5469

Sci-Agric Biol
Feb 63

223.521

Presowing Treatment of Maize Seeds with Solutions of Various Trace Elements, by S. Stasauskayte and N. Nolsmanayte,
RUSSIAN, per, Trudy Lieturos TSR Mokslu Akad.
Darbay Ser B, Vol IV, No 20, 1959, pp 181-192.
*CFSTI TT 67-51329

Sci-Bar Sci
Dec 66

The Economic Age of Trees, by N. V. Tretiakov, 4 pp.

RUSSIAN, per Trudy po Lesnomu Opytnomu Delu, Vol VII,
IX 1930, pp 18-20.

SLA Tr R-950

Sci - Biology
Mar 58

60,014

Extension of the Use of Electric Power in Coal
Mines, by P. F. Kovalev.

RUSSIAN, per, Trudy Makeyevka Nauch Issled In
Vol XI, 1960, pp 3-9.

NLL RTG 2039

Sci - Electron, Engr

Nov 62

21755

Analysis of the Magnitude and Nature of the
Loads on Mine Tub Couplings, by V. D. Belyin,
I. T. Chuiko.

RUSSIAN, per, Trudy Makeyevka Nauk Issled Inst,
Vol XI, 1960, pp 214-238.

NLL Ref: 8313.4 1963 (4918) (loan)

May 64

Inveatigations Into the Parameters and Into the Developement of Technical Requirements and Standards for the Design of Intrinsically Safe Electrical Shotfiring Systems, by L. I. Gavril 'chenko.

RUSSIAN, per, Trudy Makayeva Nauch Issled Inst,
1961, pp 108-112.

NLL(LOAN)Ref: 8313.4 1963 (4907)

Sci-Misc
April 64

Statistical Method for Determining Guaranteed
Firing Current and Procedure for Testing
Electric Detonators for Positive Firing, by
L. I. Gevril'shenko.

RUSSIAN, per, Trudy Makeyeva Nauch Issled Inst,
No 12, 1961, pp 12-18.

ML RTB 2099

Sci - Engr
May 63

230, 660

Development of a Method for Metering the Deposition of
Coal Dust in Mine Workings, by N. I. Rassolov,
I. P. Sklyarenko.

RUSSIAN, per, Trudy Makeyeva Nauk Issled Inst,
Vol XIII, 1962, pp 219-240.

NLL Ref: 8313.4 1963 (4899) (Loan)

Sci
Feb 64

Investigation of Radio Frequency Motors, by B. N.
Gorozhankin, 10 pp.

RUSSIAN, per, Trudy MFTI, No 3, 1962, pp 3-13.

CIA/FDD XX-1222
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Jul 62

USIB INTERNAL USE ONLY

205,643

Sparkproofness of Blasting Network When Using
HF Currents, by L. I. Gavril'chenko.

RUSSIAN, per, Trudy Makeyevka Nauk Issled Inst,
Voprosy Gornoi Elektromekh, Vol IX, No 2, 1959,
pp 94-115.

DSIR NLL RTS 1643

Sci - Electron

171, 629

Oct 61

The Development of a New Intrinsically Safe Remote Control Circuit for Mining Machines and Mechanisms,
by P. A. Koločochka.

RUSSIAN, per, Trudy Makiyevka Nauk Issledovaniye
Institute: Voprosy Gornoi Elektromekhaniki,
Vol IX, No 2, 1959, pp 127-141.

DSIR LLU RTS 1644

Sci - f

169, 841

Oct 61

Fatigue and Corrosion Fatigue Strength of Mine
Ropes, by V. D. Belyi, et al.

RUSSIAN, per, Trudy Makeyevka Nauk Issledovaniye
Institute Voprosy Gornoi Elektromekhaniki,
Vol IX, No 2, 1959, pp 330-348.

NLL Ref: 8313.4 1963 (4792) (Loan)

Sci
Feb 64

An Automatic Hoist Cable Monitoring Instrument,
by D. V. Solyanik.

RUSSIAN, per, Trudy Makayevka Nauch Issled Inst,
No 12, 1961, pp 384-393.

MLL RMS 2100

Sci - Engr
Mar 63

223,615

Problems of Unifying the Regulations and
Standards Governing the Manufacture of
Electrical Apparatus with a View to Ensuring
Safety, by P.E. Kovalev.
RUSSIAN, per, Trudy Maknii, Vol. 1⁴, No. 5,
1962, pp 3-9
NLL/8313.4 1964 (5085)

Sci -
Aug 67

336-146

An Assessment of the Fire Hazard Inherent in
Working Methods Using Hydraulic Mechanisation,
by V. H. Naevskaya, A. P. Rapotsevich.
RUSSIAN, per. Trudy VostNII, Vol 5, 1964, pp 181-
197.
NLL 8313.4 (5280)

Sci-B and N
Jul 68

361,634

On the Behavior of Cauchy Type Integrals Near the
Ends of the Path of Integration, by I. N. Kartzivadze,
8 pp.

RUSSIAN, per, Trudy Matematicheskogo Instituta Steklov
SSR Tiflis, Vol XVIII, 1951.

Morris D. Friedman K-180
\$4.00

Sci - Electronics
May 1959

88,027

On a Hilbert Problem With Discontinuous
Coefficients and Its Application to Singular
Integral Equations, by N. P. Vekua, 6 pp.

RUSSIAN, per, Trudy Matemat Instit Ak Nauk
Gruzinskoy SSR, Vol XVIII, 1951.

MDF V-130

Sci
OTS, Vol III, No 7
Dec 60

134, 960

Theory of Irrationalities of Third Degree, by B. N.
Delone, D. K. Faddeyev.

RUSSIAN, per, Trudy Matemat Inst, Ak Nauk SSSR,
No 11, 1940, 340 pp.

*Amer Math Soc
190 Hope Street
Providence 6, R. I.

Sci

29 May 62

Collection of Articles on the Theory of Firing.
I, by A. N. Kolmogorov, A. A. Svesnikov, I. A.
Gubler, 135 pp.

RUSSIAN, per, Trudy Matematicheskogo Instituta
imeni V. A. Steklova, Vol XII, 1945, pp 1-106.

Sci Tr Center
RT-2312

Scientific - Mathematics

CTS 69/Jun 55

24,718

Limit Distributions for the Terms of a Variational Series , by N. V. Smirnov.

Full translation.

RUSSIAN, per, Trudy Matemat Inst imeni V. A. Steklova, Vol XXV, USSR, 1949 pp 1-60.

AEC Tr XN 1296

Scientific - Mathematics

Jun 52 CTS

DEX

The Method of Straight Lines in the Application
to Certain Boundary Problems, by V. N. Faddeyeva,
42 pp.

RUSSIAN, per, AN SSSR. Trudy, "Matematicheskogo
Instituta", Vol 28, 1949, pp 73-103.
P100183768-V

FTD-MT-66-163

Sci/Math Sci
Aug 68

364,847

Kantorovich, L. V.
ON THE METHOD OF NEWTON. [1963] [46p] 19refs
Order from OTS, SLA or ETC \$1.60 TT-63-20748

Trans. of [Akademiya Nauk SSSR]. Matematicheskii
Institut Trudy, 1949, v. 28, p. 104-144.
(Abstract available)

DESCRIPTORS: *Numerical methods and procedures,
Algebra, Equations, Integral equations, Matrix algebra,
Mathematics,

Newton's method is developed for application to systems
of algebraic equations, nonlinear integral equations,
and the eigenvalue problem. The fundamental theorems
on convergence of the method are presented as well as
a theorem on the existence and uniqueness of solutions.
(Translators)

(Mathematics, TT, v. 11, no. 4)

TT-63-20748

1. Title: Newton's method
I. Kantorovich, L. V.

Office of Technical Services

Study Mat. Inst. Vols 31, 32, + 35 (1950)

Instruction + T & C of "Work of Math Inst. insti
V. A. Steklov (Vol. 31, 32, + 35).

Editor: I. S. Petrowsky

proj 9327

SR

On the Convergence in Measure of Trigonometric
Series, by D. B. Men'shov, 75 pp. UNCLASSIFIED

RUSIAN, per, Trudy Matemat Inst Steklova, Vol XXXII, 1950,

Sci Mu Lib No 54/2229
Scientific - Mathematics

18,611

Linear Differential Equations of Infinite Order
With Constant Coefficients and Asymptotic Periods
of Entire Functions, by A. O. Gel'fond.

Full translation.

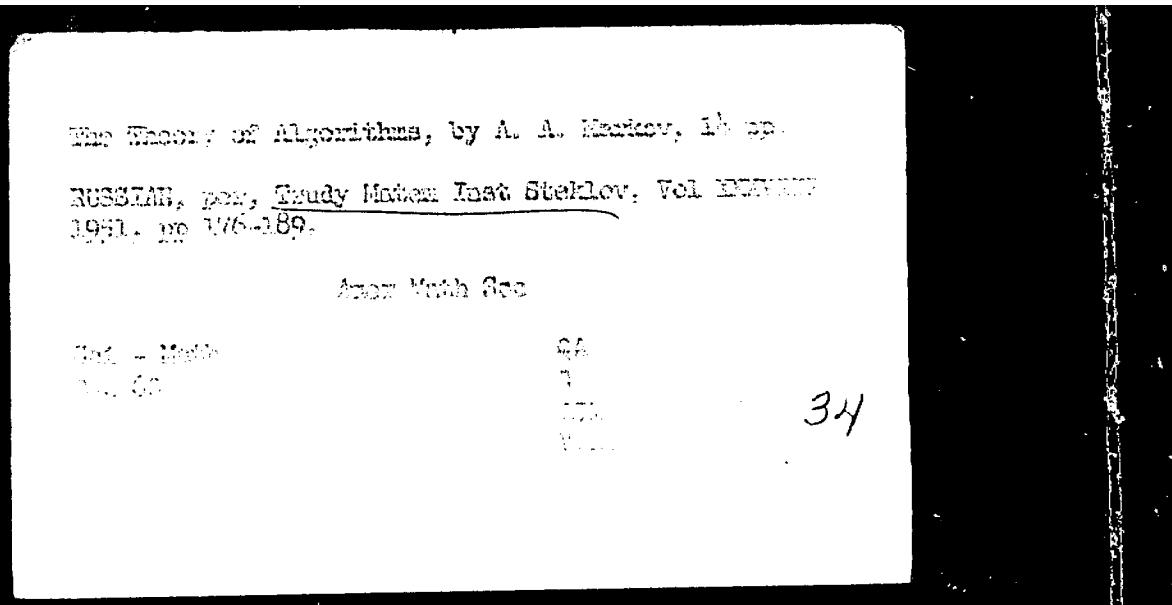
RUSSIAN, per, Trudy Matematicheskogo Instituta imeni
V. A. Steklova, Vol XXXVIII, 1951, pp 42-67.

AEC Tr 1546

Scientific - Mathematics

May 53 CTS

2092



<p>Kerimov, M. K. ON TWO-DIMENSION DISCONTINUOUS PROBLEMS OF THE CALCULUS OF VARIATIONS, tr. by Donald C. Rich. 19 Sep 62 [15]p. 8 refs. [AMC] (Redstone) Trans- nr 33-62. Order from OTS or SLA \$1.60 62-33269 Trans. of [Akademiya Nauk Gruzinskoi SSR, Tiflis], Matematicheskii Institut, [Trudy], 1951, v. 18, p. 210-219.</p> <p>DESCRIPTORS: *Calculus of variations.</p> <p>(Mathematics, TT, v. 9, no. 9)</p>	<p>62-33269</p> <p>I. Title: Two-dimensional problem I. Kerimov, M. K. II. AMC(Redstone) Trans-33-62 III. Army Missile Command, Redstone Arsenal, Ala.</p> <p>Office of Technical Services</p>
---	--

On the Consistency of Some Propositions of the
Descriptive Theory of Sets, by P. S. Novikov.

RUSSIAN, per, Trudy Mat Inst Steklov, No 38,
1951, pp 279-316.

Amer Math Soc

Sci - Math & Data Proc
Oct 63

241, 514

<p>Markov, A. A. THEORY OF ALGORITHMS (Teoriya Algoritmov) tr. by Jacques J. Schorr-Kon and others, 1961, 14p. 32 refs, PL-480, Order from OTS \$4.50</p> <p>Trans. of Akademiya Nauk SSSR, Matematicheskii Institut, Izvoly, 1954, v. 42. Partial translations of introduction, chaps. 1-3, and 5-6 are available separately.</p> <p>DESCRIPTORS: *Mathematics, Numerical methods and procedures, Mathematical logic, Theory.</p> <p>The material here comprises a series of lectures given by the author several times at the Leningrad University. Chapter headings are entitled (1) letters, alphabets, and words; (2) the notion of algorithm; (3) the construction of normal algorithms; (4) the universal algorithm; (Mathematics, TT, v. 6, no. 11) (over)</p>	<p>60-51085</p> <p>I. Title: Algorithms I. Markov, A. A. II. PL-480(60-51085) III. National Science Foundation, Washington, D. C.</p> <p>Office of Technical Services</p>
--	---

The Theory of Algorithms, by A. A. Markov

RUSSIAN, perr, Trudy Matemat. Institute imeni V. A.
Steklov, Vol XLII, pp 1-18 1964

CIA/FDD X-2818

Sci - Mathematics

Apr 58

Topological Duality Theorems. I. Closed Sets, by
P. S. Aleksandrov.

RUSSIAN, per, Trudy Mat Inst Steklov, Vol XLVIII,
1955, pp 2-110.

3

Amer Math Soc

Sci - Math & Data Proc
Oct 63

241,508

(NY-4899)

Calculation of a Point Detonation With
Counterpressure Taken Into Account, by D. Ye.
Okhotsimskiy, I. L. Kondrasheva, Z. P. Vlasova,
R. K. Kazakova, 93 pp.

RUSSIAN, per, Trudy Matemat Inst imena V. A.
Steklova, No 50, 1957, pp 1-65.

JPRS 5767

Sci - Phys

131, 804

Nov 60

12

(NY-3316)

Functional Construction in K-Valued Logic. by
S. V. Yablonsky, 176 pp.

RUSSIAN, par, Trudy Matemat Inst imeni V. A.
Steklova, Vol LX, 1958, pp 5-141.

JPP8 5057

Sci - Math

Aug 60

123, 406

12

(NY-3316)

On the Separability of Subsets of Vertices of an
n-Dimensional Unit Cube, by Yu. I. Zhuravlev, 17 pp.

RUSSIAN, per, Trudy Matemat. Inst imeni V. A.
Steklova, Vol LI, 1958, pp 143-157.

JPRS 5073
AIDF - Z - 124

Sci - Math

Jul 60

121,461

12

(NY-3316)

Possibilities of Synthesis of Circuits From
Arbitrary Elements, by O. B. Lupalov, 21 pp.

RUSSIAN, per, Trudy Matemat Inst imeni V. A.
Steklov, Vol LI, 1958, pp 158-173.

JPRS 2643

Sci - Math

Oct 60

127,229